Math 4225 – Elementary Real Analysis    Fall 2018    McB 240

Instructor: John Rossi
Office: MWF: 11:00-12:00 or by appt.
Time: MWF 10:10-11:00
Book: Principles of Mathematical Analysis – Walter Rudin

Homework:
Due Date: Homework will be collected approximately once per week with clear due dates. No late papers will be accepted.

Format: Typed homework using Latex or Math Type is appreciated. If hand written, work must be neat and legible and you must skip a line between each written line so I can add comments.

Value: Your homework will be worth 35% of your grade.

Exams:
In-class: Three in class exams will be given during the semester. Each exam will be worth 15% of your final grade. The dates will be announced at least one week in advance.

Final: A cumulative take home final will be worth 20% of your grade.

Honor Policy: All assignments and tests submitted will be considered graded work and must be completed on an individual basis. No consultation is permitted on tests. Homework may be discussed with other students as well as with the instructor. However, in writing up an assignment to be handed in, each student works alone (without other students or other students’ papers) and certifies that what is written accurately represents the student’s own understanding of the material expressed in the student’s own words. In working, or in preparing to work, homework problems, students may not consult partial or complete solutions of the problems that have been prepared by anyone else. The prohibited solutions
include, but are not limited to, solutions by current or former teachers or students at VT or elsewhere, whether these solutions are posted on the web or available from other sources. The honor code applies to all graded work in this course. If you have any questions about how the honor code applies to a particular situation, it is your responsibility to ask. The Undergraduate Honor Code pledge that each member of the university community agrees to abide by states: “As a Hokie, I will conduct myself with honor and integrity at all times. I will not lie, cheat, or steal, nor will I accept the actions of those who do.” Students enrolled in this course are responsible for abiding by the Honor Code. A student who has doubts about how the Honor Code applies to any assignment is responsible for obtaining specific guidance from the course instructor before submitting the assignment for evaluation. Ignorance of the rules does not exclude any member of the University community from the requirements and expectations of the Honor Code. For additional information about the Honor Code, please visit: https://www.honorsystem.vt.edu/

Disability Statement: If you need adaptations or accommodations because of a documented disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible.

Grading: A final score of 90% will guarantee an A-, 80 a B-, 70 a C-, and 60 a D-

Commentary:
The word “elementary” in the title of the course is not a commentary on the difficulty of this course but rather it is the traditional nomenclature that differentiates the topics of this course from a graduate level course in Real Analysis which involves Lebesgue measure and integration. In my opinion Math 4225 is the most difficult undergraduate math course that we offer. If you have never taken advanced calculus (Math 3224) or did poorly in that class or you have always had a difficult time with “proofs”, you may find another math class more appropriate. If you are just looking for a 4000 sequence to complete your math requirement, this is not the one. If you are thinking of going to graduate school in mathematics, having this course under your belt would be a big plus.